

# News Report

NATIONAL ACADEMY OF SCIENCES • NATIONAL RESEARCH COUNCIL • NATIONAL ACADEMY OF ENGINEERING

## 1968 News Report Index

Vol. XVIII Nos. 1-10

*News Report*, published monthly except for combined June-July and August-September issues, records the principal activities of the National Academy of Sciences, National Academy of Engineering, and National Research Council.

This index to the 1968 issues lists alphabetically the following classes of items referred to in the text: awards and their recipients; chairmen of new committees; committees mentioned as an integral part of a news article; deaths; elections; endowments; government agencies requesting scientific assistance; meetings; members receiving non-Academy honors and appointments; newsworthy reports; and staff appointments.

For each entry, an attempt has been made to include enough information so that the user generally will not need to refer to the complete article. Under each entry, events are listed chronologically with a reference to the month of issue and page of the publication. Illustrations or portraits accompanying the text are also indicated.

The 1969 index will be issued shortly after the end of the year, and a cumulative index will be issued sometime in the future.

Copies of the 1967 index are available from the *News Report* office.

Adler, R., named Inventor-of-the-Year by Patent, Trademark, and Copyright Res. Institute, George Wash. Univ.—Jun-Jul, 10

Aeronautics and Space Engineering Board: 6 ad hoc committees set up to study Federal Government involvement in civil aeronautics research (members listed)—Feb, 1; first report, *Civil Aviation Research and Development: An Assessment of Federal Government Involvement*, described, 2 illus.—Aug-Sep, 5; House Subcomm. on Advanced Res. and Technol. hears review of report—Nov, 4

Africa—see Agricultural Sciences in Africa, Association for the Advancement of Africa Science Board, conference initiated by, on African agricultural development, to be held in Ivory Coast—Mar, 8

Agency for International Development, study group under OFS to examine population change in developing nations—Nov, 12

Agricultural Education, Committee on, established by Commission on Educ. in Agric. and Natural Resources to examine long-range goals and technical training; R. M. Kottman and D. S. Metcalfe appointed co-chmn.—Feb, 8

Agricultural Sciences in Africa, Association for the Advancement of, established after conference on agricultural research priorities organized by NAS in cooperation with FAO and Ivory Coast Govt.; V. Oyenuga chosen pres.—Jun-Jul, 12

Agriculture and Natural Resources, Commission on Education in, establishes Comm. on Agricultural Educ. and Comm. on Evaluation of Teaching Materials in Animal Science—Feb, 8

Air Force Office of Scientific Research: ad hoc committee in Chem. and Chemical Technol. Div. completes study for, on support of research in chemistry—Feb, 7; postdoctoral research program evaluated by Fellowship Office—Apr, 12

Air Standards for Manned Space Flight, Panel on, new report for SSB/NASA, *Atmospheric Contaminants in Spacecraft*, described—Aug-Sep, 4

Alaska Earthquake, Committee on the: E. E. Bishop appointed associate ed.—Feb 6; Sub-comm. on Recommendations established—May, 8; M. Duggan appointed associate ed.—May, 10

Allied Health Personnel, Committee on, established to study training of nonprofessional medical personnel; L. Souter appointed chmn. (members listed); illus.—Aug-Sep, 4

Alvarez, L., awarded 1968 Nobel Prize in Physics, por. illus.—Dec, 11

American College of Surgeons, to field-test *Guidelines and Recommendations for the Training of Ambulance Attendants*, prepared by Comm. on Emergency Med. Services—Dec, 9

American Gastroenterology Association, to be represented in Med. Sciences Div.—May, 5

American Geophysical Union: officers elected at 49th annual meeting listed; 3 new sections created by Council—Jun-Jul, 4; to publish *Radio Science* jointly with U.S. Natl. Comm. for URSI—Nov, 8

American Heart Association, sponsors conference on heart transplantation in cooperation with Comm. on Tissue Transplantation—Jun-Jul, 9

American Indian, J. V. Neel comments on moral issues and, 5 illus.—Aug-Sep, 12

American Medical Association: text of statement on marihuana and society, made jointly with Comm. on Problems of Drug Dependence—Jun-Jul, 3; joint statement with Food and Nutrition Bd., on nutrients and on new foods, published in *JAMA*—Oct, 1

American Urological Association, to be represented in Med. Sciences Div.—May, 5

American Veterinary Medical Association, chief sponsor of study by newly established Comm. on Veterinary Med. Res. and Educ.—Nov, 1

Analytical Chemistry, Committee on, report on standard references in analytical chemistry laboratories completed by Subcomm. on Reference Materials—Feb, 8

Andrew, K. L., retires as chmn., Comm. on Line Spectra of the Elements—Nov, 10

Anesthesia, Committee on, workshop, sponsored with Comm. on Shock, reveals electrical hazards in hospitals—May, 5

Animal Science, Committee on Evaluation of Teaching Materials in, established by Commission on Educ. in Agric. and Natural Resources to evaluate existing and recommend future teaching materials; R. L. Noble appointed chmn.—Feb, 8

Appalachian Regional Commission, Panel on Mine Drainage Pollution Control to advise—Aug-Sep, 8

Arms Control and Disarmament Agency, U.S., Comm. on ACDA Support of Dissertation Res. established at request of—Aug-Sep, 9

Arms Control and Disarmament Agency Support of Dissertation Research, Committee on: established by Behavioral Sciences Div. at request of USACDA to organize 3-year program; P. J. Bohannan appointed chmn. (members listed)—Aug-Sep, 9; V. P. Rock appointed exec. sec.—Nov, 10

Army, U.S., conference on helicopter and V/STOL noise generation and suppression held jointly with NAS and NAE—Aug-Sep, 5

Associated Research Councils, Conference Board of, report of 20 years' Fulbright exchange program, 2 illus.—Apr, 2

Atlas, D., appointed chmn., Panel on Remote Atmospheric Probing—Feb, 3

Atmospheric Contaminants—see Effects of Atmospheric Contaminants on Human Health

and Welfare, Committee on *Atmospheric Contaminants in Spacecraft*, new publication by Panel on Air Standards for Manned Space Flight rates carbon monoxide a space hazard—Aug-Sep, 4

Atmospheric Sciences, Committee on, establishes Panel on Remote Atmospheric Probing—Feb, 3

Atomic Energy Commission, Comm. on Radioactive Waste Disposal established to advise—Aug-Sep, 8

auditorium—see NAS—Aug-Sep, 13; also Dryden, Hugh L., Memorial Fund

Automotive Engineers, Society of, to investigate recommendations of Conf. on Helicopter and V/STOL Noise Generation and Suppression—Dec, 9

awards: 1st *Fred Burgraff Award* presented to R. W. Tweedie, J. E. Taylor, T. G. Williamson, and M. W. Witzczak—Feb, 3; 1967 *Roy W. Crum Distinguished Service Award* presented to R. F. Baker—Feb, 3; 1968 *Founders Medal* to be presented to V. K. Zworykin at NAE 4th Annual Meeting—Mar, 4; Comstock Prize shared by L. N. Cooper and J. R. Schrieffler—May, 6; John J. Carty Medal presented to M. Gell-Mann—May, 6; Award in Microbiology in Honor of Selman A. Waksman presented to J. L. Strominger—May, 6; U.S. Steel Foundation Awarded in Molecular Biology presented to W. Gilbert—May, 6

Ayre, R. S., and J. E. Haas study damage from earthquakes in Sicily for Earthquake Engin. Res. Comm.—Mar, 1

Babcock, H. D., death of, Apr 8—May, 10

*Backgrounds and Early Careers of Engineering Doctorate Recipients, The*, new publication by OSP shows doctorates doubled, engineering doctorates tripled in 9 years—Aug-Sep, 15

Baker, R. F., awarded 1967 *Roy W. Crum Distinguished Service Award* at HRB 47th annual meeting—Feb, 3

Barbados Oceanographic and Meteorological Experiment, objectives of research field experiment for GARP outlined—Apr, 1

Bartelmez, G. W., death of, Sep 2, 1967—Mar, 6

Bartlett, P. D., awarded *James Flack Norris Award in Physical Organic Chemistry* by Amer. Chemical Soc.—Nov, 10

Bartley, W. C., appointed sec., SSB study group to review U.S. research in physics of Earth in space—Jun-Jul, 5

Beams, J. W., awarded 1967 National Medal of Science—Feb, 6

Behavioral and Social Sciences Survey Committee, new chmn. and co-chmn. appointed to Political Science Panel—Mar, 6

Behavioral Sciences—see Government Programs in the Behavioral Sciences, Advisory Committee on *Behavioral Sciences and the Federal Government*, report by Advisory Comm. on Govt. Programs in Behavioral Sciences outlines program for increased use of behavioral sciences in government policy-making—Aug-Sep, 1

Behavioral Sciences, Committee on Information in the, new report, *Communication Systems and Resources in the Behavioral Sciences*, described; D. Easton, chmn. (members listed)—Jan, 1

Behavioral Sciences, Division of: outlines pur-

pose of new Comm. on Biological Res., Social Behavior, and Social Policy—Feb, 4; H. A. Simon appointed chmn.—Apr, 10; Comm. on Basic Res. in Educ. established jointly with Natl. Acad. of Educ. at request of U.S. Office of Educ.—Jun-Jul, 1; H. A. Simon succeeds K. Davis as chmn., illus.—Jun-Jul, 11; Comm. on ACDA Support of Dissertation Research established at request of USACDA—Aug-Sep, 9

Benioff, H., death of, Feb 29—Apr, 10

Bennett, H. S., appointed to Comm. on Interplay of Engin. with Biol. and Medicine—Apr, 10

Bierman, J. M., awarded *Martha May Eliot Award* by Amer. Public Health Assoc.—Aug-Sep, 18

Bigelow, H. B., death of, Dec 11, 1967—Jan, 6

Billings, B. H., co-chmn., Taiwan Workshop on Industrial Development of Taiwan—Nov, 12

Bing, R. H., nominated to 6-year term on Natl. Science Bd. by Pres. Johnson—Jun-Jul, 10

Biological Program—see International Biological Program

Biological Research, Social Behavior, and Social Policy, Committee on—see Life Sciences and Social Policy, Committee on

Biology and Agriculture, Division of, reviews Midwest Research Institute report at request of DOD, states long-term ecological effects of defoliants still unknown (reviewers listed)—Mar, 3

Biomedical Education for the Future, Panel on, created by Bd. on Medicine; C. M. MacLeod, chmn. (members listed)—Oct, 4

Biosatellite II: results of 13 experiments aboard to study effects of orbital conditions on living organisms, to be reported at special symposium—Jan, 6; results, presented at symposium sponsored by SSB and NASA, indicate organisms affected more by radiation in space, 3 illus.—Apr, 7

Birch, F., awarded 1967 National Medal of Science—Feb, 6

Bishop, E. E., appointed associate ed., Comm. on Alaska Earthquake—Feb, 6

Bisplinghoff, R. L., chmn., Subcomm. on Res. of Comm. on SST-Sonic Boom—Jan, 1

Blair, W. F., appointed chmn., U.S. Natl. Comm. for IBP, por. illus.—Feb, 7

Bobisch, W. J., chmn., conference sponsored by BRAB on year-round construction—Jun-Jul, 6

Bohannan, P. J., appointed chmn., Comm. on ACDA Support of Dissertation Research—Aug-Sep, 9

Bolton, E. K., death of, Jul 30—Aug-Sep, 19

Booth, E. T., resigns as exec. dir., Space Applications Summer Study—Jan, 6

Boring, E. G., death of, Jul 1—Aug-Sep, 19

Botts, T. A., appointed interim exec. sec., Mathematical Sciences Div.—Aug-Sep, 19

Bowhill, S. A., appointed ed., *Radio Science*—Nov, 8

BRAB—see Building Research Advisory Board

Bradbury, N. E., awarded Atomic Energy Commission Citation—Mar, 6

Brazil-U.S. Workshop on Contribution of Science and Technology to Development, 7

Brazilian and 12 U.S. scientists discuss science policy—Mar, 8

Breit, G., awarded 1967 National Medal of Science—Feb, 6

Brode, W. R., named president-elect, Amer. Chemical Soc.—Jan, 6

Brody, D. A., appointed to Comm. on Interplay of Engin. with Biol. and Medicine—Apr, 10

Bronk, D. W., F. Seitz to succeed as president of Rockefeller Univ.—Apr, insert

Brooks, H., nominated to 6-year term on Natl. Science Bd. by Pres. Johnson—Jun-Jul, 10

Brown, H., visits Colombia as UNESCO consultant on creation of government science policy—Aug-Sep, 17

Building Research Advisory Board: sponsors conference on year-round construction, challenges construction industry to adopt all-weather program; W. J. Bobisch, conf. chmn.—Jun-Jul, 6; forms committee to study solid waste disposal at site of New Haven, Conn., dwellings; P. Conley appointed chmn. (members listed)—Aug-Sep, 7

Building Research, Studies and Documentation, U.S. National Committee for the International Council for, helps establish first collection of abstracts of foreign research on housing—Jun-Jul, 6

Bullock, T. H., awarded *Karl Spencer Lashley Prize* by Amer. Philosophical Soc.—Jun-Jul, 10

Bureau of Mines, U.S., Comm. on Rapid Excavation publishes report requested by—Oct, 6

Burns, J. J., chmn., Comm. on Problems of Drug Safety—May, 8

Cairns, R. W.: 1968 chmn., Amer. Chemical Soc.—Mar, 6; awarded 1969 Perkin Medal by Soc. of Chemical Industry—Dec, 10

Cairns, T. L.: given Award for Creative Work in Synthetic Chemistry by Amer. Chemical Soc.—May, 10; appointed chmn., Chem. and Chemical Technol. Div., por. illus.—Jun-Jul, 11

Cannan, R. K., comments on Drug Efficacy Study at NRC Annual Meeting—May, 4

cardiac transplantation: text of public statement on, by Bd. on Medicine—Mar, 1; statement endorsed by Veterans Admin.—Aug-Sep, 3

Careers of PhD's: *Academic versus Nonacademic*, follow-up report by OSP on 1935-1960 doctorate holders shows half of 10,000 PhD's sampled remain in academic jobs, recent graduates advance more rapidly than predecessors, most rapidly in physical sciences—Nov, 1

Ceramic Processing, new publication by ad hoc Comm. on Ceramic Processing finds ceramics technology unequal to space-age demands—Jun-Jul, 11

Chapman, R. M., appointed sec., Comm. on Undersea Warfare—Feb, 6

Chapman, S., commemorative book, *Sydney Chapman, Eighty—from His Friends*, published as tribute to—May, 10

Charney, J. G., appointed chmn., U.S. Comm. for GARP, por. illus.—Apr, 1

Chemical Information, Committee on, discusses handling of chemical information with Shell Devt. Co.; preparing review and bibliography—May, 3

Chemistry and Chemical Technology, Division of: ad hoc committee completes study requested by AFOSR on sponsored basic research needs in chemistry—Feb, 7; Acad. of Pharm. Sciences to be represented in—May, 5; T. L. Cairns appointed chmn., succeeding P. J. Flory, illus.—Jun-Jul, 11; conducts survey, finds great diversity in chemistry stipends for graduate students, 2 illus.—Nov, 7

CIB—see Building Research, Studies and Documentation,

*Civil Aviation Research and Development: An Assessment of Federal Government Involvement*: first report by Aeron. and Space Engin. Bd. suggests solutions to airport facilities problems, noise, air traffic control—Aug-Sep, 5; Aeron. and Space Engin. Bd. reviews report before House Subcomm. on Advanced Res. and Technol.—Nov, 4

Civil Defense, Advisory Committee on, proceedings of symposium sponsored with Advisory Comm. on Emergency Planning, OCD and OEP published as *Postattack Recovery from Nuclear War*—Aug-Sep, 8

Civil Defense, U.S. Office of, proceedings published of symposium sponsored with OEP and 2 NAS advisory committees—Aug-Sep, 8

Clark, A., appointed exec. sec., Comm. on Life Sciences and Social Policy—Jun-Jul, 3

Cohen, L. W., taking 1-year leave of absence as exec. sec., Mathematical Sciences Div.—Aug-Sep, 19

Cohen, P. J., awarded 1967 National Medal of Science—Feb, 6

Cole, K. S., awarded 1967 National Medal of Science—Feb, 6

Coleman, J. S., appointed vice-chmn., Comm. on Basic Res. in Educ., por. illus.—Jun-Jul, 1

*Communication Systems and Resources in the Behavioral Sciences*, report of Comm. on Inf. in the Behavioral Sciences urges use of computer technology to reshape scholar's world; recommends a federal data service center—Jan, 1

Computer Science and Engineering Board, established to assess growth of information-processing technology; to organize 4 committees; A. G. Oettinger appointed chmn., J. R. Pierce, vice-chmn., W. C. House, exec. sec. (members listed); 4 illus.—Jun-Jul, 1

Condon, E. U., awarded *Frederick Ives Medal* by Optical Soc. of Amer.—Nov, 10

Conley, P., appointed chmn., BRAB committee to study solid waste disposal—Aug-Sep, 7

Cook, E. F., appointed chmn., Subcomm. on Recommendations of Comm. on Alaska Earthquake—May, 8

Coon, J. M., appointed chmn., Subcomm. on Nonnutritive Sweeteners—Mar, 1

Cooper, L. N., awarded Comstock Prize, with J. R. Schrieffler, por. illus.—May, 6

Copas, T. L., principal staff investigator, HRB project to synthesize highway problems data—May, 9

Corey, E. J., awarded Fritzsche Award by Amer. Chemical Soc.—May, 10

COSRIMS—see Mathematical Sciences, Committee on Support of Research in the “Cross Section,” *News Report*: reports all groups concerned with quality of environment—Feb, 5; transportation—May, 9; health and medicine—Dec, 8

Cunningham, W. H., appointed to HRIS, HRB—Jan, 6

Dale, H. H., death of, Jul 22—Aug-Sep, 19

Darling, G. B., awarded golden orchid award by Japan Medical Association—Mar, 6

Daspit, L. R., appointed exec. dir., Space Applications Summer Study—Jan, 6

Davis, K., to be succeeded by H. A. Simon as chmn., Behavioral Sciences Div.—Jun-Jul, 11

Davis, S. P., appointed chmn., Comm. on Line Spectra of the Elements—Nov, 10

Day Bequest, Committee on the, Arthur L. Day Projects in Foreign Cooperative Geophysics established to give grants to foreign collaborators of U.S. geophysicists; Arthur L. Day Lectureship established to confer distinction on selected lecturer; Arthur L. Day Geophysics Conference Room to be constructed—Dec, 4 [see also NAS]

deaths: H. B. Bigelow, on Dec 11, 1967—Jan, 6; J. L. Savage, on Dec. 29, 1967—Feb, 6; E. W. Sinnott, on Jan 6—Feb, 6; G. W. Bartelmez, on Sep 2, 1967—Mar, 6; G. E. Kimball, on Dec 5, 1967—Mar, 6; H. Benioff, on Feb 29—Apr, 10; H. W. Florey, on Feb 22—Apr, 10; C. G. Hartman, on Mar 5—Apr, 10; W. S. Stone, on Feb 27—Apr, 10; H. D. Babcock, on Apr 8—May, 10; L. D. Landau, on Apr 1—May, 10; C. C. Lauritsen, on Apr 13—May, 10; A. R. Rich, on Apr 18—Jun-Jul, 10; E. K. Bolton, on Jul 30—Aug-Sep, 19; E. G. Boring, on Jul 1—Aug-Sep, 19; H. H. Dale, on Jul 22—Aug-Sep, 19; E. H. Vestine, on Jul 18—Aug-Sep, 19; R. H. Wilhelm, on Aug 6—Aug-Sep, 19; G. Gamow, on Aug 20; W. V. Houston, on Aug 21; J. H. Mackin, on Aug 12—Oct, 6; W. D. Lambert, on Oct 27—Dec, 10

Defense, U.S. Department of, Midwest Research Institute report on ecological effects of defoliants reviewed by Biol. and Agric. Div. at request of—Mar, 3

Delwiche, C. C., chmn., food production conference, U.S. Natl. Comm. for IBP—Jan, 8

*Design and Performance Criteria for Improved Nonrail Urban Mass Transit Vehicles and Related Urban Transportation Systems*, new publication by HRB suggests design changes, improved services—Aug-Sep, 7

Dietary Allowances, Recommended, text of statement on, by Food and Nutrition Bd.—May, 3

Dillon, W. S., to resign as staff dir., Science Organization Devt. Bd., to work on pending studies of Board—May, 10

Drug Dependence, Committee on Problems of, text of statement on marihuana, made jointly with AMA—Jun-Jul, 3

Drug Efficacy Study: 97% of 3,640 drug evaluations completed, 328 reports submitted to FDA—May, 4; R. K. Cannan comments on Study at NRC Annual Meeting—May, 4; comment by J. D. Goddard quoted—May, 5; first recommendations reviewed by FDA show 64 of 1,834 drug formulations totally ineffective—Oct, 1

Drug Research Board: to hold workshop on drug metabolism jointly with Pharm. Mfrs. Assoc. Foundation and Univ. of Calif.—Mar, 3; T. M. Durant appointed chmn., succeeding W. S. Middleton—Aug-Sep, 18

Drug Safety, Committee on Problems of, organizing conference sponsored jointly by NRC, NIH, and Pharm. Mfrs. Assoc. Foundation to discuss physical techniques in drug metabolism studies; G. J. Mannerling, dir., conference; J. J. Burns, chmn., comm.—May, 8

Dryden, Hugh L., Memorial Fund, construction begun on auditorium—Aug-Sep, 13

DuBois, A. B., appointed chmn., Comm. on Effects of Atmospheric Contaminants on Hu-

man Health and Welfare—Aug-Sep, 9

Duggan, M., appointed associate ed., Comm. on Alaska Earthquake—May, 10

Dunn, D. A., appointed part-time consultant, Comm. on Telecommunications—May, 1

Durant, T. M., appointed chmn., Drug Res. Bd.—Aug-Sep, 18

Dyer, E. R., Jr., assisting on NAS film series, *The Sun and the Earth*, for NET—Feb, 8

Earth Sciences, Division of, Marine Technol. Soc. to be represented in—May, 5

Earthquake Engineering Research, Committee on, damage from recent Sicilian earthquakes investigated by R. S. Ayre and J. E. Haas for—Mar, 1

Easton, D., chmn., Comm. on Inf. in the Behavioral Sciences, por. illus.—Jan, 1

Ecosystems, Analysis of: NSF awards grant for grasslands, first study site of IBP project—Jun-Jul, 3; NSF and AEC grants awarded for grasslands studies; program outlined; 4 illus.—Aug-Sep, 10

Edgerton, H., awarded *David Richardson Medal* by Optical Soc. of Amer.—Aug-Sep, 18

Education, Committee on Basic Research in: established jointly by Behavioral Sciences Div. and Natl. Acad. of Educ. to plan new approaches; P. C. Suppes appointed chmn. (members listed); 2 illus.—Jun-Jul, 1; announces new grants program, developed for U.S. Office of Educ.—Aug-Sep, 14; S. Ross appointed exec. sec.—Nov, 10

Education, National Academy of, Comm. on Basic Res. in Educ. established jointly with Behavioral Sciences Div.; origin of—Jun-Jul, 1

Education, U.S. Office of: Comm. on Basic Res. in Educ. established jointly by Behavioral Sciences Div. and Natl. Acad. of Educ. at request of—Jun-Jul, 1; Comm. announces new grants program requested by—Aug-Sep, 14

Effects of Atmospheric Contaminants on Human Health and Welfare, Committee on, established to review initially effects of carbon monoxide; A. B. DuBois appointed chmn. (members listed)—Aug-Sep, 9

Eilers, W., appointed professional associate, OFS—May, 10

elections, NAE: 50 new members (listed)—Apr, 1; 4 Council members—Jun-Jul, 11

elections, NAS: 50 new members (listed)—May, 1; 4 Council members—May, 6; officer, E. R. Pict, Treasurer—May, 6; officers, Classes I, II, III—Aug-Sep, 16

Emergency Medical Services, Committee on: new report, *Training of Ambulance Personnel and Others Responsible for Emergency Care of the Sick and Injured at the Scene and During Transport*, result of study requested by PHS—Aug-Sep, 3; guidelines in report to be field-tested by Amer. College of Surgeons—Dec, 9

Emergency Planning, Advisory Committee on, proceedings of symposium sponsored with Advisory Comm. on Civil Defense, OCD and OEP published as *Postattack Recovery from Nuclear War*—Aug-Sep, 8

Emergency Planning, U.S. Office of, proceedings published of symposium sponsored with OCD and 2 NAS advisory committees—Aug-Sep, 8

endowments: Commonwealth Fund of N.Y.C.

contributes \$150,000 to Bd. on Medicine operating costs—Aug-Sep, 3; W. K. Kellogg Foundation makes 5-year, \$700,000 grant to NAS for Environmental Studies Bd.—Dec, 11 Engineering, Division of: G. C. Sponsler, III, appointed exec. sec., succeeding J. C. Kohl—Apr, 2; Human Factors Soc. to be affiliated with NRC through—Oct, 6 Engineering Education, Commission on, to become a unit of NAE; origin of—Jan, 1 Environmental Science Services Administration, ad hoc Comm. on No. Amer. Datum established at request of—Nov, 6 Environmental Studies Board, given 5-year grant by W. K. Kellogg Foundation; origin and purpose of (members listed)—Dec, 11 Eulau, H., appointed chmn., Political Science Panel—Mar, 6 *Evaluation of Biomedical Research and Education in the Veterans Administration*, new report by Advisory Comm. on Survey of Res. and Educ. in VA urges closer community ties—May, 12 Everitt, W. L., appointed chmn., Comm. on Telecommunications, por. illus.—May, 1 Explorer I, launching recalled by A. W. Frutkin on 10th anniversary, illus.—Jan, 5 Eyring, H., awarded *Irving Langmuir Award in Chemical Physics* by Amer. Chemical Soc.—May, 10

Federal Radiation Council, Advisory Committee to the: A. W. Hilberg to take over staff activities—Aug-Sep, 18; new report, *Radiation Exposure of Uranium Miners*, described—Dec, 1 Fellowship Office, evaluation of postdoctoral fellowship programs for NSF, NATO, and AFOSR show fewer fellowships, more applications (review panel chairmen listed), illus.—Apr, 12 Fisk, J. B., awarded 1968 Washington Award by 6 professional engineering societies—Jun-Jul, 10 Florey, H. W., death of, Feb 22—Apr, 10 Flory, P. J.: to be succeeded by T. L. Cairns as chmn., Chem. and Chemical Technol. Div.—Jun-Jul, 11; awarded *Peter Debye Award in Physical Chemistry* by Amer. Chemical Soc.—Nov, 10 Food and Agriculture Organization, conference on African agricultural research priorities organized by NAS in cooperation with—Jun-Jul, 12 Food and Drug Administration, U.S.: requests Food Protection Comm. to reevaluate safety of nonnutritive sweeteners—Mar, 1; Drug Efficacy Study submits final reports on 328 drug preparations to—May, 4; comment by J. D. Goddard on Drug Efficacy Study quoted—May, 5; announces preliminary results of Drug Efficacy Study—Oct, 1; study of 666 drugs by Veterinary Drug Efficacy Comm. forwarded to—Oct, 3

Food and Nutrition Board: text of statement clarifying Recommended Dietary Allowances—May, 3; publishes joint statement with AMA in *JAMA* reendorsing addition of nutrients to foods with limiting conditions, noting new foods—Oct, 1; revised edition of *Recommended Dietary Allowances* described, illus.—Dec, 1; D. M. Hegsted, succeeding G. Goldsmith as chmn., outlines purpose of Board and proposed expansion—Dec, 10

Food Protection, Committee on, establishes Subcomm. on Nonnutritive Sweeteners in response to request by FDA—Mar, 1 Foreign Secretary, Office of the: organizes Peru-U.S. workshop on science and technology in development of Peru, sponsored jointly with Peruvian Natl. Acad. of Sciences; J. Tola P., chmn.—Jan, 8; sponsors 2nd Brazil-U.S. Workshop on Contribution of Science and Technol. to Devtl. with Brazilian Natl. Res. Council—Mar, 8; W. Eilers appointed professional associate—May, 10; organizes study group at request of AID to examine population change in developing nations—Nov, 12 Fowler, W. A., nominated to 6-year term on Natl. Science Bd. by Pres. Johnson—Jun-Jul, 10 Francis, T., Jr., awarded Outstanding Civilian Service Award by Armed Forces Epidemiological Bd.—Jan, 6 Friedman, H., appointed chmn., Selection Comm. on Day Bequest—Dec, 4 Frutkin, A. W., describes launching of Explorer I, for *News Report*, on 10-year anniversary—Jan, 5 Fulbright exchange program—see International Exchange of Persons, Committee on the—Apr, 2 Fullinwider, E. G., retires as exec. dir., MTRB—Feb, 6 Furnas, C. C., appointed vice-chmn., NRC; responsibilities of newly created position outlined; por. illus.—Mar, 5

Gamow, G., death of, Aug 20—Oct, 6 GARP—see Global Atmospheric Research Program Gell-Mann, M., awarded John J. Carty Medal, por. illus.—May, 6 General Services, Office of, J. P. Gillis appointed dir., succeeding T. M. Johnson—Aug-Sep, 18 Geochemistry, U.S. National Committee for, established to advance geochemistry in U.S. and serve U.S. in Internat. Assoc. for Geochemistry and Cosmochemistry; B. H. Mason appointed acting chmn., D. E. Michels, exec. sec. (members listed)—Jun-Jul, 5 Geological Survey, U.S., geophysical maps published by, in cooperation with U.S. Upper Mantle and TGS Comms., described, illus.—Oct, 7 Geophysical Union—see American Geophysical Union gifts—see endowments Gilbert, W., awarded U.S. Steel Foundation Award in Molecular Biology, por. illus.—May, 6 Gillis, J. P., appointed dir., Office of General Services—Aug-Sep, 18 Global Atmospheric Research Program, U.S. Committee for the: established; J. G. Charney appointed chmn. (members listed); 2 illus.—Apr, 1; R. J. Reed appointed exec. scientist—Jun-Jul, 10 Goddard, D. R., retires as chmn., Advisory Comm. on USSR and Eastern Europe—Aug-Sep, 18 Gödel, K., elected foreign member of Royal Soc.—Jun-Jul, 10 Goldsmith, G., to resign as chmn., Food and Nutrition Board—Dec, 10 Goodman, C., appointed chmn., Comm. on Radioactive Waste Disposal—Aug-Sep, 8

Gould, L. M., chmn., Comm. on Polar Res.—Mar, 2 Government Programs in the Behavioral Sciences, Advisory Committee on, new report, *The Behavioral Sciences and the Federal Government*, described (Committee members listed)—Aug-Sep, 1 Graebel, W. C., appointed projects engineer, special projects, NCHRP—Aug-Sep, 18 Gregory, B., assisting on NAS film series, *The Sun and the Earth*, for NET—Feb, 8 Haas, J. E., investigates recent Sicilian earthquakes with R. S. Ayre for Earthquake Engin. Res. Comm.—Mar, 1 Hackerman, N., nominated to 6-year term on Natl. Science Bd. by Pres. Johnson—Jun-Jul, 10 Haggerty, P. E., to be awarded Founders Award by IEEE—Mar, 6 Hale, G. E., centennial of birth noted, sketch por. illus.—Aug-Sep, 17 Hall, W. C., appointed dir. of fellowships and advisor for new programs, OSP, por. illus.—May, 11 Halothane Study, National, statistical review of data from final report finds wide variations in postsurgery death rates, confirmed by Pathology Panel report—May, 1 Hamburger, V., conference program at Soc. for Developmental Biol. annual meeting dedicated to—Aug-Sep, 18 Hammett, L. P., awarded 1967 National Medal of Science—Feb, 6 Handler, P., resigns from PSAC—Apr, 10; nominated to 6-year term on Natl. Science Bd. by Pres. Johnson—Jun-Jul, 10 Harlow, H. F., awarded 1967 National Medal of Science—Feb, 6 Hartman, C. G., death of, Mar 5—Apr, 10 Health and the Disadvantaged, Panel on, origin and objectives of, outlined by Bd. on Medicine; S. Nabrit, chmn. (members listed)—Oct, 4 Health Care Facilities, Conference on Costs of, sponsored by NAE at request of HEW to find means of lowering medical care prices; unofficial recommendations made; illus.—Jan, 4 Health, Education, and Welfare, U.S. Department of, Conf. on Costs of Health Care Facilities sponsored by NAE at request of—Jan, 4 Health Personnel—see Allied Health Personnel, Committee on Hegsted, D. M., appointed chmn., Food and Nutrition Bd.—Dec, 10 Heidelberger, M., awarded 1967 National Medal of Science—Feb, 6 Helicopter and V/STOL Noise Generation and Suppression, Conference on: held jointly with U.S. Army, identifies needed research in noise reduction; R. H. Miller, chmn. of conference; illus—Aug-Sep, 5; conference recommendation to standardize noise measurements and data-processing techniques being investigated by Soc. of Automotive Engineers—Dec, 9 Henry, Joseph, N. Reingold reports on use of computer to classify papers of—Jun-Jul, 10 Highway Research Board: D. H. Stevens elected chmn., Exec. Comm., at 47th annual meeting, to succeed E. G. Wetzel (other officers listed); 3,000 attend—Feb, 3; to synthesize present data on highway problems for NCHRP; T. L. Copas, principal staff investigator—May, 9;

report for HUD, *Design and Performance Criteria for Improved Nonrail Urban Mass Transit Vehicles*, described—Aug-Sep, 7; J. C. Vance to succeed R. D. Netherton as counsel for legal res.—Aug-Sep, 18; R. L. Peyton appointed to Exec. Comm. on death of T. E. Shelburne—Oct, 6; to sponsor, with Amer. Assoc. of State Highway Officials, U.S. Transportation Dept., and HUD, 2-day conference to increase understanding of joint development and multiple use of rights-of-way—Nov, 6; negotiates subcontract in response to NHTSB request to advise on evaluating driver education programs—Dec, 2

Highway Research Information Service, W. H. Cunningham appointed to staff—Jan, 6

Highway Research Program—see National Cooperative Highway Research Program

Highway Safety Bureau—see National Highway Safety Bureau

Hilberg, A. W., appointed professional associate, Med. Sciences Div., to work on Advisory Comm. to Fed. Radiation Council and Comm. on Radiology—Aug-Sep, 18

Hill, T. L., awarded Award in Colloid and Surface Chemistry by Amer. Chemical Soc.—Nov, 10

Holley, R. W., awarded Nobel Prize in Medicine or Physiology, with M. W. Nirenberg and H. G. Khorana, por. illus—Nov, 10, 11

Hornig, D. F., resigning as Special Asst. to Pres. Johnson to join Eastman Kodak Co.—Dec, 10

House Subcommittee on Advanced Research and Technology, Aeron. and Space Engin. Bd. appears before, to review *Civil Aviation Research and Development*; hearings called to examine adequacy of national effort—Nov, 4

House Subcommittee on Science, Research, and Development, report on IBP summarized—Apr, 8

House, W. C., appointed exec. sec., Computer Science and Engin. Bd., por. illus—Jun-Jul, 1

Housing and Urban Development, U.S. Department of: new report, *Design and Performance Criteria for Improved Nonrail Urban Mass Transit Vehicles*, prepared by HRB for—Aug-Sep, 7; to sponsor, with HRB and others, 2-day conference on transportation and the cities—Nov, 6

Houston, W. V., death of, Aug 21—Oct, 6

Human Environment, Committee on the Problems of the, ICSU XII General Assembly authorizes establishment of—Nov, 5

Human Factors Society, to be affiliated with NRC through Engin. Div.—Oct, 6

Human Response, Subcommittee on, new publication, *Report on Human Response to the Sonic Boom*, for Comm. on SST-Sonic Boom, described—Jun-Jul, 1

IASY—see International Years of the Active Sun

ILAR—see Laboratory Animal Resources, Institute of

Indonesia Institute of Sciences, sponsors workshop on food production with NAS; F. Seitz and S. Prawirohardjo, co-chmn.—Jun-Jul, 12

Ingalls, E. M., resigns as admin. asst. to NAS President—Jan, 6

Ingle, D. J., *Perspectives in Biology and Medicine*, edited by, given citation by Amer. Med. Writers Assoc.—Nov, 10

Inter-American News, new quarterly newsletter, available also in Spanish and Portuguese, be-

gun by U.S. Natl. Comm. for IBP, illus.—Apr, 9

International Biological Program: study of circumpolar peoples being planned by 4 nations; objectives of U.S. section, to be directed by F. A. Milan, outlined, illus.—Feb, 6; report on, by House Subcomm. on Science, Res., and Devt., summarized—Apr, 8, first large-scale grant for U.S. effort in, awarded by NSF to grasslands study in Analysis of Ecosystems program; G. M. Van Dyne, dir.; illus.—Jun-Jul, 3; 1st year reviewed, grasslands studies of Analysis of Ecosystems program outlined—Aug-Sep, 10; highlights of 2nd Annual Thermal workshop—Dec, 6

International Biological Program, U.S. National Committee for the: holds international conferences on increasing agricultural production; E. R. Lemon, C. C. Delwiche, chmn. of food production conferences—Jan, 8; W. F. Blair appointed chmn., succeeding R. Revelle—Feb, 7; recommendations on major problems of, made by House Subcomm. on Science, Res., and Devt., illus.—Apr, 8; begins newsletter, *Inter-American News*, for scientists in Western Hemisphere—Apr, 9; new publication by Fed. Comm. on Res. Natural Areas, *Research Natural Areas 1968*, describes work done as part of effort by—May, 11

International Council of Scientific Unions: upcoming XII General Assembly discussed with Advisory Comm. on Internat. Organizations and Programs; draft report of Comm. on Quality and Organization of Internat. Scientific Meetings presented (participating officers listed)—May, 11; XII General Assembly authorizes Comm. on Problems of the Human Environment, creates new type of membership, elects president; highlights of meeting (NAS delegates listed)—Nov, 5

International Decade of Ocean Exploration, Steering Comm. established jointly by NASCO and NAECEO; W. Wooster appointed chmn. (members listed)—Aug-Sep, 6

International Development, Agency for, experimental NAS-AID Science Book Program ended—Aug-Sep, 17

International Exchange of Persons, Committee on the: Fulbright exchange program administered by, for Conf. Bd. on Associated Res. Councils—Apr, 2; T. W. Russell retires as exec. associate—Nov, 10

international meetings 1968, NAS to send delegates to (dates, sites, and contacts listed)—May, 10

International Organizations and Programs, Advisory Committee on, informal meeting held with ICSU on upcoming XII General Assembly—May, 11

International Scientific Meetings, Committee on the Quality and Organization of: presents draft report at ICSU meeting of guidelines for international meetings—May, 11; issues official guidelines for planning, screening of papers, size of meetings, etc.; W. A. Noyes, Jr., chmn.—Aug-Sep, 16

International Scientific Radio Union, U.S. National Committee for the: discovery of new radio source, "pulsars," discussed at annual meeting—May, 12; *Radio Science* to be published jointly with AGU—Nov, 8

International Years of the Active Sun, programs for solar maximum, proposed by Inter-Union Commission on Solar-Terrestrial Physics, ICSU, outlined, illus.—Nov, 8

Interplay of Engineering with Biology and Medicine, Committee on the: awards subcontracts to 6 universities to study biomedical engineering (members listed)—Mar, 4; H. S. Bennett and D. A. Brody appointed to—Apr, 10

Jacobson, L. C., designated fellow of Amer. College of Physicians—Jun-Jul, 10

Japanese National Institute of Health, all technical reports of Atomic Bomb Casualty Commission, agency of NAS and, published in English and Japanese—Jan, 2

Johnson, T. M., retires as dir., Office of General Services—Aug-Sep, 18

Jordan, E. C., to be awarded Education Medal by IEEE—Mar, 6

Katz, A., appointed part-time consultant, Comm. on Telecommunications—May, 1

Katz, M., appointed chmn., Comm. on Life Sciences and Social Policy—Jun-Jul, 3

Keim, R., elected vice pres., technical operations, Marine Technol. Soc.—Aug-Sep, 18

Khorana, H. G.: awarded Award for Creative Work in Synthetic Organic Chemistry by Amer. Chemical Soc.—Nov, 10; awarded *Louisa Gross Horwitz Prize*, with M. W. Nirenberg, by Columbia Univ.—Nov, 10; awarded Nobel Prize in Medicine or Physiology, with M. W. Nirenberg and R. W. Holley, por. illus—Nov, 10, 11

Kimball, G. E., death of, Dec 5, 1967—Mar 6

Kistiakowsky, G. B.: awarded 1967 National Medal of Science—Feb, 6; awarded *Peter Debye Award in Physical Chemistry* by Amer. Chemical Soc.—Mar, 6; award presented—May, 10

Kohl, J. C., resigns as exec. sec., Engin. Div.—Apr, 2

Kolthoff, I. M., awarded Kolthoff Gold Medal in Analytical Chemistry by Acad. of Pharm. Sciences—May, 10

Kornberg, A., given Scientific Achievement Award by AMA, *Max Berg Award for Prolonging Human Life and Lucy Wortham James Award* by James Ewing Soc.—Aug-Sep, 18

Kottman, R. M., appointed co-chmn., with D. S. Metcalfe, of Comm. on Agricultural Educ.—Feb, 8

Laboratory Animal Resources, Institute of: purchases remaining stock of *The Guinea Pig in Research: Biology—Nutrition—Physiology*—Feb, 8; begins national survey, sponsored by NIH, to determine resources and future needs—Aug-Sep, 7

Lambert, W. D., death of, Oct 27—Dec, 10

Land, E. H., awarded 1967 National Medal of Science—Feb, 6

Landau, L. D., death of, Apr 1—May, 10

Lauritsen, C. C., death of, Apr 13—May, 10

Lemon, E. R., chmn., food production conference, U.S. Natl. Comm. for IBP—Jan, 8

Library of Congress, personal papers of J. R. Oppenheimer acquired by MS Div.—Mar, 6

Life Sciences and Social Policy, Committee on (originally named Comm. on Biological Res., Social Behavior, and Social Policy), being established to study social implications of biology,

medicine, and chemistry advances—Feb, 1; purpose of, outlined by Div. of Behavioral Sciences—Feb, 4; M. Katz appointed chmn., A. Clark, exec. sec. (members listed)—Jun-Jul, 3

Life Sciences, Committee on, newly established Comm. on Microbiological Problems of Man from Extended Space Flight a part of efforts of—Jan, 7

Line Spectra of the Elements, Committee on, new publication, *Research in Optical Spectroscopy: Present Status and Prospects*, described; K. L. Andrew succeeded by S. P. Davis as chmn.; 2 illus.—Nov, 10

Lipscomb, W. N., given Award for Distinguished Service in the Advancement of Inorganic Chemistry by Amer. Chemical Soc.—May, 10

Lockman, R. F., appointed res. psychologist, OSP—May, 11

Longsworth, L. G., given Award in Chromatography and Electrophoresis by Amer. Chemical Soc.—May, 10

Lunar Science Institute: NAS to help establish, with Rice Univ., for study and conferences, illus.—Apr, 1; purpose of; W. W. Rubey appointed dir. by NAS pres. F. Seitz—Nov, 2

Lytle, A. R., awarded, with co-authors, *Captain Joseph H. Limard Prize* by Soc. of Naval Architects and Marine Engineers—Dec, 10

MacDonald, G. J. F., appointed chmn., SSB panel to reappraise 1965 recommendations for future space research—Jun-Jul, 4

MacGregor, L. M., appointed admin. engineer, NCHRP—Apr, 10

Mackin, J. H., death of, Aug 12—Oct, 6

MacLeod, C. M.: as NAS representative, addresses 1st Congress of Singapore National Academy of Sciences on Basic Research and Graduate Education—Aug-Sep, 17; appointed chmn., Panel on Biomed. Educ.—Oct, 4

Mannering, G. J., dir., conference being organized by Comm. on Problems of Drug Safety to discuss physical techniques in drug studies—May, 8

Manpower Studies Branch, of OSP, prepares map to compare PhD output in each state, illus.—Dec, 5

Mansfield, H. C., succeeded by H. Eulau as chmn., Political Science Panel—Mar, 6

March, J. G.: appointed co-chmn., Political Science Panel—Mar, 6; nominated to 6-year term on Natl. Science Bd. by Pres. Johnson—Jun-Jul, 10

Marine Technology Society, to be represented in Earth Sciences Div.—May, 5

Maritime Transportation Research Board: forms Shipboard Inf. System Devlt. Group, illus.—Feb, 3; J. B. Oren to succeed E. G. Fullinwider as exec. dir.—Feb, 6; establishes Panel on Shipboard Manpower—Mar, 7; reorganization plan to establish 5 standing committees approved at semi-annual meeting of; Comm. on Ship Operations and Manning to be established first, other areas of study outlined—May, 9; first test of computerized data system passed aboard ship by SISDG—Jun-Jul, 12

Mason, B. H., appointed acting chmn., U.S. Natl. Comm. for Geochemistry—Jun-Jul, 5

Materials Advisory Board, meeting of ad hoc Comm. on Nondestructive Testing held to further MAB study—Apr, 6

*The Mathematical Sciences: A Report*, new pub-

lication by COSRIMS finds shortage of teachers, growing demands from other fields—Dec, 1

Mathematical Sciences, Committee on Support of Research in the: study reflecting CBMS survey finds increase of students in advanced courses of undergraduate mathematics programs—Apr, 6; new publication, *The Mathematical Sciences: A Report*, described, 4 illus.—Dec, 1; excerpts from report show U.S. as leader in mathematics, describe nature of mathematics—Dec, 2, 3

Mathematical Sciences, Conference Board of the, conducts survey of undergraduate mathematics programs, reflected in COSRIMS forthcoming report—Apr, 6

Mathematical Sciences, Division of, T. A. Botts appointed interim exec. sec., succeeding L. W. Cohen—Aug-Sep, 19

*The Mathematical Sciences: Undergraduate Education*, new publication by Panel on Undergrad. Educ. discusses how to make more high quality teachers available to broader range of institutions—Dec, 1

Medical-Legal Issues Related to Tissue Transplantation, Conference on, sponsored by Comm. on Tissue Transplantation to inform key medical groups of Uniform Anatomical Gift Act—Nov, 3

Medical Sciences, Division of: unified attack called for at conference on thrombosis; 3 workshops recommended to further research; illus.—Jan, 3; meeting with NIH, and Surgeons General of Navy and Army, to consider pulmonary effects of nonthoracic trauma, summarized—Apr, 4; Amer. Gastroenterology Assoc. and Amer. Urological Assoc. to be represented in—May, 5; new report, *Evaluation of Biomedical Research and Education in the Veterans Administration*, prepared at request of U.S. Office of Science and Technol.—May, 12; A. W. Hilberg and H. S. Parker appointed professional associates—Aug-Sep, 18

Medical Services—see Emergency Medical Services, Committee on

Medicine, Board on: text of public statement on cardiac transplantation, illus. (members listed)—Mar, 1; Commonwealth Fund of N.Y.C. contributes \$150,000 to NAS endowment for—Aug-Sep, 3; public statement on cardiac transplantation endorsed by VA—Aug-Sep, 3; major studies begun by panels on Biomed. Educ. for the Future and Health and the Disadvantaged—Oct, 4

Medicine, National Library of, H. S. Parker to advise on toxicological information program of—Aug-Sep, 18

Metcalfe, D. S., appointed co-chmn., with R. M. Kottman, of Comm. on Agricultural Educ.—Feb, 8

Microbiological Problems of Man from Extended Space Flight, Committee on, established by SSB to examine manned flight problems; J. Spizizen appointed chmn. (members listed)—Jan, 7

Middleton, W. S., retires as chmn., Drug Res. Bd.—Aug-Sep, 18

Midwest Research Institute, report on ecological effects of defoliants reviewed by Biol. and Agric. Div.—Mar, 3

Miller, R. H., chmn., Conference on Helicopter and V/STOL Noise Generation and Suppression—Aug-Sep, 5

Miller, W. E., succeeded by J. G. March as co-chmn., Political Science Panel—Mar, 6

Mine Drainage Pollution Control, Panel on, established within Comm. on Water Quality Management to advise Appalachian Regional Commission—Aug-Sep, 8

Mulligan, J. H., Jr., appointed exec. sec., NAE, por. illus.—Aug-Sep, 15

Munk, W. H., awarded Gold Medal by Royal Astron. Soc.—Mar, 6

Murray, G., nominated to 6-year term on Natl. Science Bd. by Pres. Johnson—Jun-Jul, 10

Nabrit, S., appointed chmn., Panel on Health and the Disadvantaged—Oct, 4

NAE: Engin. Educ. Commission to be unit of—Jan, 1; symposium, *The Process of Technological Innovation*, to be held during Annual Meeting (participants listed)—Mar, 5; program of Fall Meeting outlined—Aug-Sep, 15; J. H. Mulligan, Jr. appointed exec. sec., succeeding H. K. Work—Aug-Sep, 15; engineers and physicians at Fall Meeting discuss application of technology to medicine, role of university in biomedical engineering—Dec, 8; gas diffusion technique as analgesic reported at Fall Meeting—Dec, 9; paper on health care, read by A. Yerby at Fall Meeting, excerpted—Dec, 9 [see also elections, NAE]

NAECOE—see Ocean Engineering, Committee on

NAS: 12 publications of, translated into 7 languages by publishers abroad; all technical reports of Atomic Bomb Casualty Commission published in English and Japanese—Jan, 2; special symposium on results of Biosatellite II experiments to be convened; K. V. Thimann to be chmn.—Jan, 6; produces film series for NET on solar-terrestrial physics; H. Odishaw, E. R. Dyer, Jr., and B. Gregory assist in preparation; 2 illus.—Feb, 8; program of 105th Annual Meeting outlined—Mar, 5; F. Seitz resigning presidency of, to be president, Rockefeller Univ.—Apr, insert; in cooperation with Rice Univ., to help establish and initially operate Lunar Science Institute—Apr, 1; program of 1968 Annual Meeting further outlined; symposia on molecular neurobiology, narcotic drugs, and high-energy physics to be held with leaders in field (chairman and participants listed); illus.—Apr, 11; \$22.3-million 1967 expenditures reported at Annual Meeting—May, 6; to send delegates to international meetings (listed)—May, 10; remarks of F. Seitz, pres., at Annual Meeting excerpted—Jun-Jul, 7; sponsors workshop on food production in Indonesia jointly with Indonesia Institute of Sciences; F. Seitz co-chmn.—Jun-Jul, 12; construction begun on 700-seat auditorium, other additions; design and facilities described; 3 illus.—Aug-Sep, 13; Council approves reorganization within Class II membership group, changing names to Section of Zoology and Section of Microbiology; creating sections of Medical Sciences and Genetics (elected officers listed)—Aug-Sep, 16; program of Fall Meeting outlined; abstracts to contributed papers to be preprinted in *NAS Proceedings*—Aug-Sep, 16; building's dining area to be expanded, other changes planned—Oct, 2; members transfer to new Sections, 20 to Medical Sciences, 24 to Genetics (members listed)—Nov, 11; to give grants under Day Bequest to foreign geophys-

ics collaborators; 2 other programs planned by Comm. on Day Bequest; Selection Comm. established to recommend grantees and lecturers (for Day Lectureship); H. Friedman appointed chmn. (members listed)—Dec, 4; 1968-1969 exchange programs with USSR and Poland reduced, new programs with Bulgaria and Hungary not to begin—Dec, 5 [see also elections, NAS]

NAS-AID Science Book Program, successful experiment completed—Aug-Sep, 17

NASCO—see Oceanography, Committee on National Aeronautics and Space Administration: issues NAS report on practical applications of space technology—Feb, 1; sponsors symposium jointly with SSB on findings of Biosatellite II experiments—Apr, 7; new publication, *Atmospheric Contaminants in Spacecraft*, prepared for by SSB—Aug-Sep, 4

National Cooperative Highway Research Program: L. M. MacGregor appointed admin. engineer—Apr, 10; surveys by 2 research agencies of public preference in future transportation confirm American preference for automobile; general findings summarized—May, 9; to publish new series on present data on highway problems, to be synthesized by HRB; T. L. Copas, principal staff investigator—May, 9; W. C. Graeub appointed projects engineer, special projects—Aug-Sep, 18

National Educational Television network, shows first of NAS-produced film series, *The Sun and the Earth*, on solar-terrestrial physics—Feb, 8

National Highway Safety Bureau, requests HRB to advise on nationwide evaluation of driver education programs—Dec, 2

National Institutes of Health, national survey begun by ILAR sponsored by Animal Resources Branch, Div. of Res. Facilities and Resources—Aug-Sep, 7

National Science Foundation, postdoctoral fellowship program and senior postdoctoral fellowship program of, evaluated by Fellowship Office—Apr, 12

NATO, postdoctoral fellowship program of, evaluated by Fellowship Office—Apr, 12

Neel, J. V., discusses moral issues at conference on biomedical challenges of American Indian—Aug-Sep, 12

Netherton, R. D., resigns as counsel for legal res., HRB—Aug-Sep, 18

Nirenberg, M. W.: given Special Award of Merit by Gairdner Foundation, Toronto—Jan, 6; much honored in one week, awarded 1968 Franklin Medal by Franklin Institute, *Louisa Gross Horwitz Prize* with H. G. Khorana by Columbia Univ., Nobel Prize in Medicine or Physiology with H. G. Khorana and R. W. Holley, por. illus.—Nov, 10, 11

Noble, R. L., appointed chmn., Comm. on Evaluation of Teaching Materials in Animal Science—Feb, 8

Nondestructive Testing, ad hoc Committee on, areas for research in related fields explored at meeting to further MAB study, 3 illus.—Apr, 6

Nonnutritive Sweeteners, Subcommittee on, established by Food Protection Comm. to re-evaluate nonnutritive sweeteners; J. M. Coon appointed chmn. (members listed)—Mar, 1

North American Datum, ad hoc Committee on the, established at request of ESSA to study feasibility of readjusting U.S. triangulation net-

work; P. A. Smith appointed chmn. (members listed)—Nov, 6

Noyes, W. A., Jr., chmn., Comm. on Quality and Organization of Internat. Scientific Meetings—Aug-Sep, 16

NRC: Annual Meeting being planned—Feb, 2; C. C. Furnas appointed vice-chmn.; responsibilities; illus.—Mar, 5; test of resolution calling for reconsideration of new draft regulations made during Annual Meeting—Apr, 9 [see also Scientific Manpower Commission]; R. K. Cannan comments on Drug Efficacy Study at Annual Meeting—May, 4; Annual Meeting symposium on current budgetary stringencies summarized—May, 7; Annual Meeting symposium on modification of marine environment summarized—May, 8

Ocean Engineering, Committee on, Steering Comm. established jointly with NASCO to advise U.S. Govt. on Internat. Decade of Ocean Exploration; origin of (members and panels listed)—Aug-Sep, 6

Ocean Exploration—see International Decade of Ocean Exploration

Oceanography, Committee on, Steering Comm. established jointly with NAECOE to advise U.S. Govt. on Internat. Decade of Ocean Exploration (reorganized panels and members listed)—Aug-Sep, 6

Odishaw, H., assisting on NAS film series, *The Sun and the Earth*, for NET—Feb, 8

Oettinger, A. G., appointed chmn., Computer Science and Engin. Bd., illus.—Jun-Jul, 1

Onsager, L., awarded 1968 Nobel Prize in Chemistry, por. illus.—Dec, 11

Oppenheimer, J. R., personal papers acquired by L.C. MS Div.—Mar, 6

Oren, J. B., appointed exec. dir., MTRB—Feb, 6

Organization and Members: 1967-1968, new edition published—Mar, 8

Oyenuga, V., chosen pres., Assoc. for Advancement of Agricultural Sciences in Africa—Jun-Jul, 12

Pacific Science Board, R. B. Sheeks resigns as associate dir.—May, 10

Parker, H. S., appointed professional associate, Med. Sciences Div., to advise on toxicological information program of Natl. Library of Medicine—Aug-Sep, 18

Pask, J. A., chmn., ad hoc Comm. on Ceramic Processing—Jun-Jul, 11

Pathology Panel, published report of, in *Anesthesiology*, confirms Natl. Halothane Study data on postsurgery death rates—May, 1

Pauling, L., awarded 1967 *Roebling Medal* by Mineralogical Soc. of Amer.—Mar, 6

Peruvian National Academy of Sciences, sponsors Peru-U.S. workshop on science and technology in economic development of Peru jointly with OFS; J. Tola P., chmn. of workshop—Jan, 8

Peyton, R. L., appointed to Exec. Comm., HRB—Oct, 6

Pfaffmann, C., appointed chmn., Advisory Comm. on USSR and Eastern Europe—Aug-Sep, 18

Pharmaceutical Sciences, Academy of, to be represented in Chem. and Chemical Technol. Div.—May, 5

Photochemistry and Radiation Chemistry, Symposium on, sponsored jointly by Comm. on Pioneering Res. and U.S. Army Natick Labs.—Mar, 5

Physical Effects, Subcommittee on, new publication, *Report on Physical Effects of the Sonic Boom*, for Comm. on SST-Sonic Boom, described—Mar, 6

Physical Sciences, Division of, G. W. Wood appointed asst. exec. sec.—Feb, 6

Physics of the Earth in Space: A Program of Research, 1968-1975, new publication of SSB recommends coordinated program of satellite, space probe, and sounding rocket missions to study Sun-Earth system—Nov, 1

Pierce, J. R., appointed vice-chmn., Computer Science and Engin. Bd., illus.—Jun-Jul, 1

Pioneering Research, Committee on, Symposium on Photochemistry and Radiation Chemistry, sponsored jointly with U.S. Army Natick Labs., to be held at Natick—Mar, 5

Piore, E. R., elected Treasurer, NAS, por. illus.—May, 6

Pitzer, K. S.: to become pres. of Stanford Univ.; to receive 1968 Priestley Medal from Amer. Chemical Soc.—Aug-Sep, 18; awarded Priestley Medal—Nov, 10

Planetary Astronomy: An Appraisal of Ground-Based Opportunities, new publication by SSB Panel on Planetary Astronomy reports substantial advances possible with new equipment and techniques—Oct, 1

Planetary Astronomy, Panel on, new publication, *Planetary Astronomy: An Appraisal of Ground-Based Opportunities*, described, 2 illus.—Oct, 1

Planetary Exploration: 1968 to 1975, new publication of SSB, reappraising 1965 recommendations, stresses value of planetary exploration, recommends unmanned missions to planets—Aug-Sep, 1

Plasma and Plasma Substitutes, Committee on, recommends discontinuation of whole plasma, illus.—Apr, 3

Poland Academy of Sciences, NAS 1968-1969 exchange program reduced from 40 to 27 man-months—Dec, 5

Polar Research, Committee on, begins review of U.S. polar research; 4 additional panels established (7 panels and chmn. listed)—Mar, 2

Political Science Panel, H. Eulau appointed chmn. by Behavioral and Social Sciences Survey Comm., succeeding H. C. Mansfield; J. G. March appointed co-chmn., succeeding W. E. Miller—Mar, 6

Postattack Recovery from Nuclear War, new publication is proceedings of symposium sponsored jointly by NAS Advisory Comms. on Civil Defense and Emergency Planning and OCD and OEP—Aug-Sep, 8

Postdoctoral Research Associateships, availability and location of 1969-1970 appointments tabulated by OSP—Oct, insert

Prelog, V., awarded *Roger Adams Award in Organic Chemistry* by Amer. Chemical Soc.—Nov, 10

President, Office of the, R. L. Schultheis appointed to—May, 10

Proceedings of the National Academy of Sciences, abstracts to papers contributed at Fall Meeting to be preprinted in—Aug-Sep, 16

Production Processes Subcommittee, sponsors international conferences on increasing agri-

cultural production for U.S. Natl. Comm. for IBP—Jan, 8

Prosthetic-Orthotic Education, Committee on, origin of; has 5 subcommittees in educational materials, prosthetics clinical studies, orthotics, special education projects, paramedical education—Jan, 2

Prosthetics Research and Development, Committee on, progress in amputee recovery attributable to; origin and background of; activities supported by 3 Government services; illus.—Jan, 2

Public Health Service, U.S., Comm. on Emergency Med. Services completes study requested by—Aug-Sep, 3

“pulsars,” discussed at annual meeting of U.S. Natl. Comm. for URSI, illus.—May, 12

Quality and Organization of International Meetings—see International Scientific Meetings, Committee on the Quality and Organization of

Rabinowitch, V., to act as staff dir., Science Organization Devtl. Bd., until Jan 1—May, 10

Radiation Council—see Federal Radiation Council, Advisory Committee to the

*Radiation Exposure of Uranium Miners*, new publication of Advisory Comm. to Fed. Radiation Council confirms lung cancer risk for low levels, safe working level not specified—Dec, 1

*Radio Science*, to be published jointly by AGU and U.S. Natl. Comm. for URSI; S. A. Bowhill appointed ed.; logo—Nov, 8

Radioactive Waste Disposal, Committee on, established to advise AEC on long-range programs; C. Goodman appointed chmn. (members listed)—Aug-Sep, 8

Rapid Excavation, Committee on, new report, *Rapid Excavation: Significance, Needs, Opportunities*, described; result of request by U.S. Bureau of Mines; illus.—Oct, 6

*Rapid Excavation: Significance, Needs, Opportunities*, new publication by Comm. on Rapid Excavation cites most needed research, recommends 10-year, \$200-million program to develop better excavation methods—Oct, 6

Recommendations, Subcommittee on, established by Comm. on Alaska Earthquake to review conclusions of Committee's 7 panels; E. F. Cook appointed chmn. (members listed)—May, 8

*Recommended Dietary Allowances*, 7th revised edition by Food and Nutrition Bd. reduces calorie requirements to offset population's decreasing physical activity, gives nutrient changes and additions—Dec, 1

Reed, R. J., to be exec. scientist, U.S. Comm. for GARP—Jun-Jul, 10

Reference Materials, Subcommittee on, report for Comm. on Analytical Chem., shows lack of standard references in clinical chemistry and environmental health—Feb, 8

Reingold, N., editor of Joseph Henry papers, reports to advisory committee that 3,500 items being classified by computer—Jun-Jul, 10

Remote Atmospheric Probing, Panel on, established by Comm. on Atmospheric Sciences to study techniques capable of discovering properties of atmosphere, contributing to development of U.S. GARP program; D. Atlas appointed chmn. (members listed)—Feb, 3

*Report on Generation and Propagation of Sonic*

*Boom*, first publication by Subcomm. on Res. shows improbability of dramatic reductions in sonic boom; 5 areas of needed study outlined—Jan, 1

*Report on Human Response to the Sonic Boom*, new publication of Subcomm. on Human Response shows research needed on psychological impact and design of SST to meet humanly acceptable sonic-boom level—Jun-Jul, 1

*Report on Physical Effects of the Sonic Boom*, new publication by Subcomm. on Physical Effects shows need for increased sonic boom studies—Mar, 6

*Research in Optical Spectroscopy: Present Status and Prospects*, new publication by Comm. on Line Spectra of the Elements urges boost for lagging support of atomic spectroscopy—Nov, 10

Research, Subcommittee on, first publication, *Report on Generation and Propagation of Sonic Boom*, for Comm. on SST-Sonic Boom described; R. L. Bisplinghoff, chmn.—Jan, 1

Revelle, R.: appointment as chmn., U.S. Natl. Comm. for IBP, terminated—Feb, 7; appointed chmn., study group under OFS to examine population change in developing nations—Nov, 12

Rich, A. R., death of, Apr 18—Jun-Jul, 10

Richardson, J. M., appointed exec. sec., Comm. on Telecommunications—May, 1

Rock, V. P., appointed exec. sec., Comm. on ACDA Support of Dissertation Res.—Nov, 10

Ross, S., appointed exec. sec., Comm. on Basic Res. in Educ.—Nov, 10

Rubey, W. W., appointed dir., Lunar Science Institute—Nov, 2

Russell, T. W., retires as exec. associate, Comm. on Internat. Exchange of Persons—Nov, 10

SATCOM—see Scientific and Technical Communication, Committee on

Savage, J. L., death of, Dec 29, 1967—Feb, 6

Schrieffler, J. R., awarded Comstock Prize, with L. N. Cooper, por. illus.—May, 6

Schultheis, R. L., appointed to Office of Pres.—May, 10

Science and Technology, U.S. Office of, new report, *Evaluation of Biomedical Research and Education in the Veterans Administration*, prepared for Med. Sciences Div. at request of—May, 12

Science Organization Development Board, W. S. Dillon to resign administrative duties of staff dir.; V. Rabinowitch appointed staff dir. until Jan 1, 1969—May, 10

Scientific and Technical Communication, Committee on, at first meeting of 180 consultant correspondents presents policy recommendations to develop effective communications, improve society publications—Feb, 7

Scientific Manpower Commission, joint survey of graduate schools with Council of Graduate Schools of U.S. reveals 50% drop coming in graduate enrollment based on new draft regulations—Apr, 9 [see also NRC]

Scientific Personnel, Office of: W. C. Hall appointed dir. of fellowships and advisor for new programs in Fellowship Office; R. F. Lockman appointed res. psychologist; R. A. Whiteker to resign as associate dir.—May, 11; new publication, *The Backgrounds and Early Careers of Engineering Doctorate Recipients*,

described—Aug-Sep, 15; announces availability of Postdoctoral Research Associateship 1969-1970 appointments—Oct, insert; second career-patterns report, *Careers of PhD's: Academic versus Nonacademic*, described, illus.—Nov, 1; Manpower Studies Branch prepares map of PhD output by state—Dec, 5

Scientific Unions—see International Council of Scientific Unions

Seaborg, G. T., awarded 1968 Arches of Science Award by Pacific Science Center, por. illus.—Oct, 6

Seeley, S. F., awarded honorary DSc by Univ. of Nebr. College of Medicine—Aug-Sep, 19

Seitz, F., awarded Distinguished Public Service Medal by DOD—Mar, 6; resigning NAS presidency, elected president, Rockefeller Univ.; background; por. illus.—Apr, insert; partial text of report to NAS Annual Meeting, *The Individual and Public Service*—Jun-Jul, 7; co-chmn., workshop on food production in Indonesia—Jun-Jul, 12; appoints W. W. Rubey dir., Lunar Science Institute—Nov, 2

Shannon, J. A., appointed special adviser to NAS president, por. illus.—Aug-Sep, 18

Shea, T. E., awarded Distinguished Public Service Medal by U.S. Navy—Dec, 10

Sheeks, R. B., resigns as associate dir., Pacific Science Bd.—May, 10

Ship Operations and Manning, Committee on, to be established by MTRB to study ship safety—May, 9

Shipboard Information System Development

Group: formed within MTRB to design cost-information system for merchant marine—Feb, 3; first test on shipboard of computerized data system for merchant marine proved practicable; origin of, within MTRB—Jun-Jul, 12

Shipboard Manpower, Panel on, established by MTRB to analyze seagoing work force of U.S. merchant marine; C. J. Szychlinski appointed chmn. (members listed)—Mar, 7

Shipboard Mechanization and Manpower Study Committee, new publication, *Shipboard Systems Costs: A Functional Analysis of Work Aboard Ship*, described—Feb, 3

*Shipboard Systems Costs: A Functional Analysis of Work Aboard Ship*, new publication of Shipboard Mechanization and Manpower Study Comm. describes progress in system for analyzing ship wage costs—Feb, 3

Shock, Committee on, electrical hazards in hospitals disclosed by workshop sponsored jointly with Comm. on Anesthesia—May, 5

Sikorsky, I. I., awarded 1967 National Medal of Science—Feb, 6

Simon, H. A.: appointed to PSAC—Apr, 10; to be chmn., Behavioral Sciences Div.—Apr, 10; appointed chmn., por. illus.—Jun-Jul, 11

Singapore National Academy of Sciences, C. M. MacLeod represents NAS at 1st Congress of—Aug-Sep, 17

Sinnott, E. W., death of, Jan 6—Feb, 6

Sino-American Science Cooperation Program, sponsors Taiwan Workshop on Industrial Development of Taiwan—Nov, 12

Smith, F. E., nominated to 6-year term on Natl. Science Bd. by Pres. Johnson—Jun-Jul, 10

Smith, P. A., appointed chmn., ad hoc Comm. on No. Amer. Datum—Nov, 6

Solar-Terrestrial Physics, Inter-Union Commission on, proposes 12 projects for solar maxi-

mum of IASY; publishes new periodical, *STP Notes*—Nov, 8

Souther, L., appointed chmn., Comm. on Allied Health Personnel—Aug-Sep, 4

Space Applications Summer Study: L. R. Daspit appointed exec. dir., E. T. Booth resigns; status of study—Jan, 6; report by Central Review Comm. of, on potential benefits of satellites, issued by NASA; recommendations outlined; illus.—Feb, 1; final report in preparation (13 panels defined)—Nov, 8

Space Science Board: establishes Comm. on Microbiological Problems of Man from Extended Space Flight—Jan, 7; preliminary findings on experiments aboard Biosatellite II presented at symposium sponsored jointly with NASA—Apr, 7; panel created to reappraise 1965 recommendations for future space research; G. J. F. MacDonald appointed chmn. (members listed); illus.—Jun-Jul, 4; to review U.S. research in physics of Earth in space; H. Friedman appointed chmn. of study group, W. C. Bartley, study sec. (assistants named)—Jun-Jul, 5; new publication, *Planetary Exploration: 1968 to 1975*, described, 4 illus.—Aug-Sep, 1; new publication, *Atmospheric Contaminants in Spacecraft*, described—Aug-Sep, 4; new publication, *Planetary Astronomy, An Appraisal of Ground-Based Opportunities*, described—Oct, 1; new publication, *Physics of the Earth in Space: A Program of Research, 1968-1975*, described, excerpts given, 2 illus.—Nov, 1

Spizizen, J., appointed chmn., Comm. on Microbiological Problems of Man from Extended Space Flight—Jan, 7

Sponsler, G. C., III, appointed exec. sec., Engin. Div., por. illus.—Apr, 2

SST-Sonic Boom, Committee on: first publication, *Report on Generation and Propagation of Sonic Boom*, described—Jan, 1; second, *Report on Physical Effects of the Sonic Boom*, described (comm. and subcomm. chmn. listed)—Mar, 6; third, *Report on Human Response to the Sonic Boom*, described—Jun-Jul, 1

staff appointments: W. H. Cunningham to HRIS—Jan, 6; L. R. Daspit, exec. dir., Space Applications Summer Study—Jan, 6; E. E. Bishop, associate ed., Comm. on Alaska Earthquake—Feb, 6; R. M. Chapman, sec., Comm. on Undersea Warfare—Feb, 6; J. B. Oren, exec. dir., MTRB—Feb, 6; G. W. Wood, asst. exec. sec., Phys. Sciences Div.—Feb, 6; G. C. Sponsler, III, exec. sec., Engin. Div.—Apr, 2; L. M. MacGregor, admin. engineer, NCHRP—Apr, 10; J. M. Richardson, exec. sec., G. W. Swenson, Jr., technical dir., A. Katz and D. A. Dunn, part-time consultants, Comm. on Telecommunications—May, 1; T. L. Copas, principal staff investigator, HRB—May, 9; M. Duggan, associate ed., Comm. on Alaska Earthquake—May, 10; W. Eilers, professional associate, OFS—May, 10; V. Rabinowitch, temporary staff dir., Science Organization Devt. Bd.—May, 10; R. L. Schultheis, Office of Pres.—May, 10; W. C. Hall, dir. of fellowships and advisor for new programs, OSP—May, 11; R. F. Lockman, res. psychologist, OSP—May, 11; W. C. House, exec. sec., Computer Science and Engin. Bd.—Jun-Jul, 1; A. Clark, exec. sec., Comm. on Life Sciences and Social Policy—Jun-Jul, 3; W. C. Bartley, sec., SSB study group of U.S. research in physics of Earth in space—Jun-Jul, 5; D. E. Michels, exec. sec., U.S. Natl. Comm. for Geochem.—Jun-Jul, 5; R. J. Reed, exec. scientist, U.S. Comm. for GARP—Jun-Jul, 10; J. R. Thomson, professional associate, Advisory Center on Toxicology—Jun-Jul, 10; J. H. Mulligan, Jr., exec. sec., NAE—Aug-Sep, 15; J. P. Gillis, dir., Office of General Services—Aug-Sep, 18; W. C. Graebel, projects engineer, special projects, NCHRP—Aug-Sep, 18; A. W. Hilberg, H. S. Parker, professional associates, Med. Sciences Div.—Aug-Sep, 18; J. A. Shannon, special advisor to NAS pres.—Aug-Sep, 18; J. C. Vance, counsel for legal res., HRB—Aug-Sep, 18; T. A. Botts, interim exec. sec., Mathematical Sciences Div.—Aug-Sep, 19; R. L. Peyton, to Exec. Comm., HRB—Oct, 6; V. P. Rock, exec. sec., Comm. on ACDA Support of Dissertation Res.—Nov, 10; S. Ross, exec. sec., Comm. on Basic Res. in Educ.—Nov, 10

Stanley, W. M., made honorary member, Japanese Acad. of Sciences—Aug-Sep, 19

State Highway Officials, American Association of, sponsoring, with HRB and others, 2-day conference on transportation and the cities—Nov, 6

Stevens, D. H., appointed chmn., Exec. Comm., HRB—Feb, 3

Stevenson, R. E., chmn., Conf. on Medical-Legal Issues Related to Tissue Transplantation—Nov, 3

Stone, W. S., death of, Feb 27—Apr, 10

*STP Notes*, new periodical, published by Inter-Union Commission on Solar-Terrestrial Physics, coordinates efforts of solar-terrestrial scientists—Nov, 8

Strominger, J. L., given Award in Microbiology in Honor of Selman A. Waksman, por. illus.—May, 6

Sturtevant, A. H., awarded 1967 National Medal of Science—Feb, 6

Suppes, P. C., appointed chmn., Comm. on Basic Res. in Educ., por. illus.—Jun-Jul, 1

Swenson, G. W., Jr., appointed technical dir., Comm. on Telecommunications—May, 1

Szychlinski, C. J., appointed chmn., Panel on Shipboard Manpower—Mar, 7

Taiwan, Workshop on Industrial Development of Taiwan: Science, Technology, and Management, sponsored by Sino-Amer. Science Cooperation Program, focuses on industrialization; B. H. Billings, co-chmn.—Nov, 12

Taylor, J. E., awarded 1st *Fred Burggraf Award* with 3 other engineers at HRB 47th annual meeting—Feb, 3

Telecommunications, Committee on, established; W. L. Everett appointed chmn. (members listed); J. M. Richardson, exec. sec., G. W. Swenson, Jr., technical dir., A. Katz and D. A. Dunn, part-time consultants—May, 1

Terry, L. L., appointed chmn., Comm. on Veterinary Med. Res. and Educ.—Nov, 1

Thermal Workshop, 2nd Annual, 200 scientists at IBP Workshop discuss effects of thermal addition on freshwater and marine life, 4 illus.—Dec, 6

Thimann, K. V., to be chmn., special symposium on Biosatellite II experiments—Jan, 6

Thomson, J. R., appointed professional associate, Advisory Center on Toxicology—Jun-Jul, 10

thrombosis, conference on, attended by 150 blood specialists from U.S. and 15 other countries, organized by task force of Med. Sciences Div.—Jan, 3

Tissue Transplantation—see Medical-Legal Issues Related to Tissue Transplantation, Conference on

Tissue Transplantation, Committee on: highlights of conference sponsored in cooperation with Amer. Heart Assoc.—Jun-Jul, 9; highlights of conf. sponsored by, on Medical-Legal Issues Related to Tissue Transplantation; R. E. Stevenson, chmn. of conf.—Nov, 3

Tola P., J., chmn., Peru-U.S. workshop on science and technology in economic development of Peru—Jan, 8

Townes, C. H., awarded *C. E. K. Mees Medal* by Optical Soc. of Amer. —Nov, 10

Toxicology, Advisory Center on, J. R. Thomson appointed professional associate—Jun-Jul, 10

Toxicology, Committee on, effects of carbon monoxide on humans discussed at annual meeting of—Mar, 2

*Training of Ambulance Personnel and Others Responsible for Emergency Care of the Sick and Injured at the Scene and During Transport*, report by Comm. on Emergency Med. Services recommends nationwide program to improve proficiency of ambulance personnel—Aug-Sep, 3

Transcontinental Geophysical Survey Committee, maps published by U.S. Geological Survey in cooperation with U.S. Upper Mantle Comm. and—Oct, 7

Transportation, U.S. Department of, sponsoring, with HRB and others, 2-day conference on transportation and the cities—Nov, 6

Twedie, R. W., awarded 1st *Fred Burggraf Award* with 3 other engineers at HRB 47th annual meeting—Feb, 3

Undergraduate Education, Panel on, new publication for COSRIMS, *The Mathematical Sciences: Undergraduate Education*, briefly described—Dec, 1

Undersea Warfare, Committee on, R. M. Chapman appointed sec.—Feb, 6

UNESCO, H. Brown visits Colombia as consultant for—Aug-Sep, 17

Uniform Anatomical Gift Act, key medical groups informed of, at Conf. on Medical-Legal Issues Related to Tissue Transplantation—Nov, 3

Universities Research Association, Inc., adds Univ. of Toronto (first foreign member) and Mich. State Univ. to membership (newly elected officers listed)—Jan, 5

Upper Mantle Committee, U.S., maps of U.S. published by USGS in cooperation with TGS Comm. and—Oct, 7

U.S. Army Natick Laboratories, Symposium on Photochemistry and Radiation Chemistry, sponsored jointly with Comm. on Pioneering Res., to be held at Natick—Mar, 5

U.S. Information Agency, NAE comm. produces “The World of the Engineer,” for, in VOA Forum series—Mar, 4

USSR Academy of Sciences: 1968-1969 exchange agreement negotiated with Advisory Comm. on USSR and Eastern Europe—Aug-Sep, 16; NAS 1968-1969 exchange program reduced from about 90 to 52 man-months—Dec, 5

USSR and Eastern Europe, Advisory Committee on: new 1968-1969 exchange agreement with USSR Acad. of Sciences includes increased visits—Aug-Sep, 16; C. Pfaffmann appointed chmn., succeeding D. R. Goddard—Aug-Sep, 18

Vance, J. C., appointed counsel for legal res., HRB—Aug-Sep, 18

Van Dyne, G. M., dir., grasslands study, Analysis of Ecosystems program—Jun-Jul, 3

Vestine, E. H., death of, Jul 18—Aug-Sep, 19

Veterans Administration, Advisory Committee on Survey of Research and Education in the, new report, *Evaluation of Biomedical Research and Education in the Veterans Administration*, prepared by, for Div. of Med. Sciences—May, 12

Veterans Administration, U.S., adopts public statement by Bd. on Medicine as policy on cardiac transplantation—Aug-Sep, 3

Veterinary Drug Efficacy Committee, completed evaluation of 666 products by 12-panel study forwarded to FDA—Oct, 3

Veterinary Medical Association—*see* American Veterinary Medical Association

Veterinary Medical Research and Education, Committee on, established to conduct study of veterinary medical research and education

in the United States; Amer. Veterinary Med. Assoc., chief sponsor; L. L. Terry appointed chmn. (members listed)—Nov, 1  
Voice of America Committee, produces first of series broadcast in "The World of the Engineer" for USIA—Mar, 4

*Water and Choice in the Colorado Basin*, new publication by Comm. on Water urges modification of constraining policies—Nov, 4

Water, Committee on, new publication, *Water and Choice in the Colorado Basin*, described, 2 illus. (members listed)—Nov, 4; comments on report, from article on water planning by G. F. White, excerpted—Nov, 7

Water Quality Management, Committee on, Panel on Mine Drainage Pollution Control established within—Aug-Sep, 8

Wetzel, E. G., appointment as chmn., Exec. Comm., HRB, terminated—Feb, 3

Wheeler, J. A., awarded *Enrico Fermi Award* by AEC—Oct, 6

White, G. F., article on water planning excerpted—Nov, 7

Whitaker, R. A., to resign as associate dir., fellowships, OSP—May, 11

Wilhelm, R. H., death of, Aug 6—Aug-Sep, 19

Williamson, T. G., awarded 1st *Fred Burggraf Award* with 3 other engineers at HRB 47th annual meeting—Feb, 3

Witzak, M. W., awarded 1st *Fred Burggraf Award* with 3 other engineers at HRB 47th annual meeting—Feb, 3

Wolman, A., awarded first *Lewis L. Dollinger Pure Environment Award* by Franklin Institute—Oct, 6

Wood, G. W., appointed exec. sec., Phys. Sciences Div.; additional responsibilities outlined—Feb, 6

Wood, H. G., appointed to PSAC—Apr, 10

Wooster, W., appointed chmn., Steering Comm. for Internat. Decade of Ocean Exploration—Aug-Sep, 6

Work, H. K., retiring as exec. sec., NAE—Aug-Sep, 15

Yerby, A., paper on health care in "underdeveloped" America, presented at NAE Fall Meeting, excerpted—Dec, 9

York, H. F., Jr., resigns from PSAC—Apr, 10

Young, W. G., awarded Priestley Medal by Amer. Chemical Soc.—May, 10

Zworykin, V. K., to receive NAE 1968 Founders Medal, por. illus.—Mar, 4





